

1 Configure Apache with Perl Example

1.1 Configure virtual hosts

With `mod_perl`, Perl code can be embedded directly in the Apache configuration file. Perl in `httpd.conf` is commonly used to dynamically configure Apache, but anything from URL translation to content generation can be accomplished directly in the configuration file within `<Perl>` sections.

This example reads configuration settings from a text file and configures Apache's virtual hosts.

The `httpd.conf` setup:

```
NameVirtualHost 192.168.0.1:80
<Perl>
    my $config = "/etc/apache/vhosts.txt";
    open HOSTS, $config or die "Failed to open $config: $!";

    while (<HOSTS>) {
        my %config;
        my @params = qw/ServerName DocumentRoot ErrorLog TransferLog ServerAdmin/;
        @config{ @params } = split /\t/;
        $config{ Directory }{ $config{DocumentRoot} } = { Allow => 'from all' };

        push @{$VirtualHost{'192.168.0.1:80'}}, \%config;
    }
    close HOSTS;

</Perl>
```

See [The Guide](#) for other examples of configuring Apache with `mod_perl`.

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